

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	41	joseph near bigus.in.	US-PGPUB; USPAT	OR	ON	2006/12/08 08:54
S2	67106	(ibm or "international business machines").as.	US-PGPUB; USPAT	OR	ON	2006/12/08 08:54
S3	3	S2 and "rule-based application".clm.	US-PGPUB; USPAT	OR	ON	2006/12/08 08:56
S4	8	S2 and (customiz\$5 and template and rule).clm.	US-PGPUB; USPAT	OR	ON	2006/12/08 09:03
S5	0	S2 and (customiz\$5 and templat\$4 and ruleset).clm.	US-PGPUB; USPAT	OR	ON	2006/12/08 09:03
S7	0	S2 and (customiz\$5 and ruleset).clm.	US-PGPUB; USPAT	OR	ON	2006/12/08 09:03
S8	1851	717/106-113.ccls.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:05
S9	7	S8 and (ruleset and template)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:08
S10	0	S8 and (customiz\$4 and "rule-based application")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:09
S11	94	S8 and (customiz\$4 near (application or program or utility))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:26
S12	2	customiz\$5 near "rule-based application"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:28

## EAST Search History

S13	3550	customiz\$5 near application	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:28
S14	15	S13 and ruleset and template	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:36
S15	1876	customiz\$5 near3 (rule or policy)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:37
S16	608	S15 and template	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:37
S17	294	S16 and compil\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:37
S18	243	S17 and (user adj interface)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:43
S19	35	S18 and ruleset	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/08 09:42
S20	2	("20020049749"   "6424979").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 09:58

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S22	45	("4935888"   "5189608"   "5367573"   "5500802"   "5517645"   "5560014"   "5603021"   "5692047"   "5710920"   "5710926"   "5715441"   "5724589"   "5729748"   "5754858"   "5754864"   "5761499"   "5771347"   "5790796"   "5819283"   "5845128"   "5860004"   "5867709").PN. OR ("5978579").URPN.	US-PGPUB; USPAT; USOCR	OR	ON	2006/12/08 11:08
S23	98	("20050102249" "7136843" "20040083454" "5917489" "6057841" "20030221184" "6910028" "20030023573" "5787235" "6336137" "6665648" "6973478" "20060190310" "6292830" "5900870" "6085201" "20030090514" "20020156686" "20030217333" "5642410" "6535883" "5768795" "5528491" "5283856" "5555346" "5627764" "5796867" "5802253" "5901332" "6236959" "6162982" "6333999" "6356842" "6842881" "20040025137" "20040038761" "20050060680" "20050144088" "20050223347" "20060172270" "4951234" "5495567" "5297150" "5815152" "6826727" "20050246303" "6944604" "5519669" "5835771" "6996801" ). pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/12/11 14:27



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Relevance scale ☐ ☐ ☐ ☐ ☐

### 1 [Session 3: Demonstrational customization of a shared whiteboard to support user-defined semantic relationships among objects](#)



Du Li, Jason Patrao

 September 2001 **Proceedings of the 2001 International ACM SIGGROUP Conference on Supporting Group Work**

Publisher: ACM Press

 Full text available: [pdf\(381.33 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

As a promising approach to end-user computing, programming by demonstration (PBD) techniques have been explored by many researchers in single-user applications. This paper investigates how PBD techniques can be used to support end-user customization of groupware tools. In collaborative applications, complex semantic relationships can emerge unanticipatedly among objects (participants, data artifacts, tools, devices, etc.) such as the hierarchical organization of participants, consistency mainten ...

**Keywords:** collaboration modeling, collaborative editing systems, customization, end-user computing, groupware, object relationships, programming by demonstration, whiteboard

### 2 [Some prolog macros for rule-based programming: why? how?](#)



Tim Menzies, Lindsay Mason

 October 2002 **Proceedings of the 2002 ACM SIGPLAN workshop on Rule-based programming**

Publisher: ACM Press

 Full text available: [pdf\(530.35 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The history, benefits, and drawbacks to pure rule-based programming is discussed. A simple extension to pure rule-based programming is described. The extensions are very quick to code and can be easily customized to support a range of knowledge engineering applications.

**Keywords:** history, prolog, rule-based programming

### 3 [A calculus for dynamic customization of virtual environments](#)



Allen Ginsberg, Ramesh Viswanathan

 October 1999 **Proceedings of the seventh ACM international conference on Multimedia (Part 1)**

Publisher: ACM Press

 Full text available: [pdf\(1.32 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Two problems in the design and deployment of multimedia applications are the lack of

design-time and run-time flexibility. In this paper we discuss a general methodology for tackling these issues. The work presented here is an extension of the AlphaOmega framework of [4]. In that framework we showed how the intuitive notion of an object representing its properties and capabilities to other objects differentially could be exploited to provide ...

#### 4 Applications: Customized geospatial workflows for e-government services

 Richard D. Holowczak, Soon Ae Chun, Francisco J. Artigas, Vijayalakshmi Atluri  
November 2001 **Proceedings of the 9th ACM international symposium on Advances in geographic information systems**

**Publisher:** ACM Press

Full text available:  [pdf\(1.80 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

The past decade has experienced a phenomenal growth in the electronic delivery of business services. This has led to an elevation in the expectations of citizens for fast and efficient delivery of governmental services. Recently, workflow systems have gained importance as an effective infrastructure for automating the business processes within and across government agencies. Government services, such as permit processing for the development or preservation of land, can be modeled as workflow. T ...

**Keywords:** customization, decision support, e-government services, geospatial workflow

#### 5 Experiments with Oval: a radically tailorable tool for cooperative work

 Thomas W. Malone, Kum-Yew Lai, Christopher Fry  
April 1995 **ACM Transactions on Information Systems (TOIS)**, Volume 13 Issue 2

**Publisher:** ACM Press

Full text available:  [pdf\(2.54 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

This article describes a series of tests of the generality of a "radically tailorable" tool for cooperative work. Users of this system can create applications by combining and modifying four kinds of building blocks: objects, views, agents, and links. We found that user-level tailoring of these primitives can provide most of the functionality found in well-known cooperative work systems such as gIBIS, Coordinator, Lotus Notes, and Information Le ...

**Keywords:** computer-supported cooperative work, end-user programming, groupware, radical tailorability

#### 6 An adaptable generation approach to agenda management

Eric K. McCall, Lori A. Clarke, Leon J. Osterweil  
April 1998 **Proceedings of the 20th international conference on Software engineering**

**Publisher:** IEEE Computer Society

Full text available:  [pdf\(1.20 MB\)](#)  Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)  
[Publisher Site](#)

#### 7 Innovation, management & strategy: Online customization with configurable standard models

 Hyun Jung Lee, Jae Kyu Lee  
March 2004 **Proceedings of the 6th international conference on Electronic commerce ICEC '04**

**Publisher:** ACM Press

Full text available:  [pdf\(487.56 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

In electronic catalogs, commodities like computers and electronic equipment are specified as standard models even though a variety of possible alternative specifications can exist

as a combination of selected options; therefore, customized configurations are essential to support various customers with individual needs. So the problem here is the selection of a standard model and reconfiguration with this selected model. An issue is that requirements may be fulfilled by more than one standard mod ...

**Keywords:** case-based reasoning, configuration, constraint satisfaction problem, customization

## 8 Experiments with Oval: a radically tailorable tool for cooperative work



Thomas W. Malone, Kum-Yew Lai, Christopher Fry

December 1992 **Proceedings of the 1992 ACM conference on Computer-supported cooperative work**

**Publisher:** ACM Press

Full text available: [pdf\(1.07 MB\)](#)

Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

## 9 Rule-based systems



Frederick Hayes-Roth

September 1985 **Communications of the ACM**, Volume 28 Issue 9

**Publisher:** ACM Press

Full text available: [pdf\(1.84 MB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Rule-based systems automate problem-solving know-how, provide a means for capturing and refining human expertise, and are proving to be commercially viable.

## 10 Sense'n respond solutions: A rule-based system for sense-and-respond telematics services

Jonathan Munson, SangWoo Lee, DaeRyung Lee, David Wood, Gerry Thompson, Alan Cole

June 2005 **Proceedings of the 2005 workshop on End-to-end, sense-and-respond systems, applications and services EESR '05**

**Publisher:** USENIX Association

Full text available: [pdf\(241.25 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

We introduce a telematics-oriented event detection service, and programming framework supporting it, that enables application developers to more easily develop applications based on the sense-and-respond model. The system provides a rule-based programming model in which the application is partitioned in two parts: (1) a set of rules that operate on low-level position-update events and which, when triggered, produce high-level, application-defined events; and (2) logic that acts on the high-level ...

## 11 A rule-based language for programming software updates



Martin Erwig, Deling Ren

October 2002 **Proceedings of the 2002 ACM SIGPLAN workshop on Rule-based programming**

**Publisher:** ACM Press

Full text available: [pdf\(118.18 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

We describe the design of a rule-based language for expressing changes to Haskell programs in a systematic and reliable way. The update language essentially offers update commands for all constructs of the object language (a subset of Haskell). The update language can be translated into a core calculus consisting of a small set of basic updates and update combinators. The key construct of the core calculus is a scope update mechanism that allows (and enforces) update specifications for the defin ...

**Keywords:** type change, type correctness, update program, update safety

**12** PLI workshops: A rule-based language for programming software updates

Martin Erwig, Delin Ren

December 2002 **ACM SIGPLAN Notices**, Volume 37 Issue 12**Publisher:** ACM PressFull text available: pdf(182.21 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

We describe the design of a rule-based language for expressing changes to Haskell programs in a systematic and reliable way. The update language essentially offers update commands for all constructs of the object language (a subset of Haskell). The update language can be translated into a core calculus consisting of a small set of basic updates and update combinators. The key construct of the core calculus is a scope update mechanism that allows (and enforces) update specifications for the defin ...

**Keywords:** Haskell, type change, type correctness, update program, update safety**13** Adding rule-based reasoning to a demonstrational interface builder

Gene L. Fisher, Dale E. Busse, David A. Wolber

December 1992 **Proceedings of the 5th annual ACM symposium on User interface software and technology****Publisher:** ACM PressFull text available: pdf(909.16 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

This paper presents a demonstrational interface builder with improved reasoning capabilities. The system is comprised of two major components: an interactive display manager and a rule-based reasoner. The display manager provides facilities to draw the physical appearance of an interface and define interface behavior by graphical demonstration. The behavior is defined using a technique of stimulus-response demonstrations. With this technique, an interface developer first demonstrates a stim ...

**Keywords:** UIMs, direct manipulation, interface builders, programming by demonstration**14** Using e-CRM for a unified view of the customer

Shan L. Pan, Jae-Nam Lee

April 2003 **Communications of the ACM**, Volume 46 Issue 4**Publisher:** ACM PressFull text available: pdf(92.62 KB) html(26.30 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Applying detailed knowledge of the customer to a larger business domain.

**15** QualProbes: middleware QoS profiling services for configuring adaptive applications

Baochun Li, Klara Nahrstedt

April 2000 **IFIP/ACM International Conference on Distributed systems platforms****Publisher:** Springer-Verlag New York, Inc.Full text available: pdf(342.76 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#)

It is widely accepted that in order to deliver the best Quality-of-Service (QoS), applications need to be adaptive to the fluctuating computing and communication environments. The middleware layer may assist by controlling the behavior of the applications so that they adapt and reconfigure themselves. In this paper, we present *QualProbes*, a set of middleware *QoS Probing and Profiling* services to discover such relationships at run-time. Our approach focuses on meeting the require ...

**16** Integration and interoperation: Using the AMACONT architecture for flexible adaptation of 3D web applications

Raimund Dachelt, Michael Hinz, Stefan Pietschmann

April 2006 **Proceedings of the eleventh international conference on 3D web technology Web3D '06**

**Publisher:** ACM Press

Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Providing personalized content and applications which also address heterogeneous capabilities of multiple device types becomes a significant challenge of today's Web development. By now most of the work in the field of adaptive hypermedia is devoted to Web content such as hypertext, images, video, and animation, but rarely to three-dimensional graphics. Research on the adaptation of 3D graphics is still in its infancy. The generic approach introduced in this paper combines the AMACONT adaptive h ...

**Keywords:** 3D graphics, 3D user interfaces, AMACONT, CONTIGRA, adaptation, context modeling, personalization, rich media, virtual environments

# 17 Text processing: Combination of symbolic and statistical approaches for grammatical knowledge acquisition

Masaki Kiyono, Jun'ichi Tsujii

October 1994 **Proceedings of the fourth conference on Applied natural language processing**

**Publisher:** Morgan Kaufmann Publishers Inc.

Full text available:  [pdf\(591.69 KB\)](#)

Additional Information: [full citation](#), [abstract](#), [references](#)

 [Publisher Site](#)

The framework we adopted for customizing linguistic knowledge to individual application domains is an integration of symbolic and statistical approaches. In order to acquire domain specific knowledge, we have previously proposed a rule-based mechanism to hypothesize missing knowledge from partial parsing results of unsuccessfully parsed sentences. In this paper, we focus on the statistical process which selects plausible knowledge from a set of hypotheses generated from the whole corpus. In part ...

# 18 Knowledge-based simulation to assist in system design identification



Nantawan N. Kwanjai, Rosemary H. Wild

December 1992 **Proceedings of the 24th conference on Winter simulation**

**Publisher:** ACM Press

Full text available:  [pdf\(916.89 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

# 19 Stochastic language generation for spoken dialogue systems

Alice H. Oh, Alexander I. Rudnicky

May 2000 **ANLP/NAACL 2000 Workshop on Conversational systems - Volume 3**

**Publisher:** Association for Computational Linguistics

Full text available:  [pdf\(366.75 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

The two current approaches to language generation, template-based and rule-based (linguistic) NLG, have limitations when applied to spoken dialogue systems, in part because they were developed for text generation. In this paper, we propose a new corpus-based approach to natural language generation, specifically designed for spoken dialogue systems.


# 20 Web technologies and applications (WTA): SmartGate: a smart push-pull approach to support role-based security in web gateways



Raman Adaikkalavan, Sharma Chakravarthy

March 2005 **Proceedings of the 2005 ACM symposium on Applied computing SAC '05**

**Publisher:** ACM Press

Full text available:  [pdf\(275.99 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)

Efficient and effective web gateways or proxy servers are important to control the access



privileges of users and protect private networks that are connected to the Internet, thus providing a productive and safe web environment. Access control in the form of complex access rules based on users or user sets (groups) has been studied extensively. The objective of this work is to provide role-based (RB) security for web gateways utilizing Role-Based Access Control (RBAC). RB security reduces the ad ...

**Keywords:** RB security, fire-walls, role-based access control, web gateways

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Joseph P. Bigus

June 2000 **Proceedings of the fourth international conference on Autonomous agents****Publisher:** ACM PressFull text available: [pdf\(213.11 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**Keywords:** JavaBeans, fuzzy logic, genetic algorithms, intelligent agents, neural networks, software agents

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